

## MATERIAL SAFETY DATA SHEET

DATE PRINTED: 3/21/2002

PAGE  
MSDS NO. 408.2

## SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

MANUFACTURERS NAME  
W.M. BARR & COMPANY, INC.ADDRESS  
2105 Channel Ave.  
Memphis, TN 38113 USAEMERGENCY TELEPHONE #1  
901-775-0100EMERGENCY CONTACT  
W.M. Barr Technical ServicesEMERGENCY INFORMATION  
See Section 5 for additional Emergency InformationINVENTORY ITEM #  
408.2CHEMICAL FORMULA  
408.2PRODUCT NAME  
NEW SOLUTION "A" WOOD BLEACHREVISED BY  
W.M. Barr Technical ServicesREVISION DATE  
5/13/1993

## SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

## CARCINOGENICITY

SUBSTANCE DESCRIPTION	PERCENT	CAS#	NTP	ACGIH	OSHA	IARC
SODIUM HYDROXIDE SOLUTION	5- 10	1310-73-2	N	N	N	N
** ABOVE INGREDIENT CONSISTS OF THE FOLLOWING **						
SODIUM HYDROXIDE	45- 50	1310-73-2	N	N	N	N
PROPRIETARY SOLUTION	1- 5	N/A	N	N	N	N

## SECTION 3. REGULATORY INFORMATION

## EXPOSURE LIMITS/REGULATORY INFORMATION

SUBSTANCE DESCRIPTION	REG.AGCY U/M		TWA	STEL	CEIL	SKIN	PEL
SODIUM HYDROXIDE SOLUTION	ACGIH	MG/M3	N/E	N/E	2.00	N	N/E
	OSHA	MG/M3	N/E	N/E	2.00	N	2.00
EXPOSURE GUIDELINE: 250 MG/M3, AS RECOMMENDED BY SUPPLIER.							
SODIUM HYDROXIDE	ACGIH	MG/M3	N/E	N/E	2.00	N	N/E
	OSHA	MG/M3	N/E	N/E	2.00	N	2.00
PROPRIETARY SOLUTION	ACGIH	MG/M3	1.00	N/E	N/E	N	N/E
	OSHA	MG/M3	10.00	N/E	N/E	N	N/E

## ADDITIONAL REGULATORY INFO

The time weighted average (TWA) value described herein is a threshold limit value (TLV) as established by ACGIH. The permissible exposure limit (PEL) is a value established by OSHA.

## CALIFORNIA (PROPOSITION #65)

Ingredients in this product are not listed on California's Prop 65 list: "Chemicals Known to the State to Cause Cancer or Reproductive Toxicity."

## SEC. 313 SUPPLIER NOTIFICATION

The following information must be included in all MSDS that are copied and distributed for this material.

This product contains no chemicals subject to the reporting requirements of SARA III: Section 313.

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SECTION 3. REGULATORY INFORMATION  
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## CLEAN AIR ACT

This formula contains no known ozone depleting chemicals.

## HAZARD COMMUNICATION STANDARD

This document is prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200). This MSDS contains thirteen (13) sections.

\*\*\*\*\*  
The following effects and/or symptoms are not expected to be experienced by persons who use this product properly and according to ALL instructions, precautions, and warnings; however, should the product user experience ANY questionable effects or symptoms, the product user should immediately seek medical attention.  
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SECTION 4. HAZARDS IDENTIFICATION  
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## INHALATION ACUTE EXPOSURE EFFECTS

May cause irritation of respiratory tract. Can cause severe irritation to the nose and throat and inflammation of the lungs.

## SKIN CONTACT ACUTE EXPOSURE EFFECTS

Causes severe burns. May cause irritation.

## EYE CONTACT ACUTE EXPOSURE EFFECTS

Causes eye damage and severe burns.

## INGESTION ACUTE EXPOSURE EFFECTS

Harmful or fatal if swallowed. May cause nausea; vomiting; irritation of mouth and throat; gastrointestinal irritation; diarrhea; swelling of the larynx and subsequent suffocation; holes in the stomach and intestines; burns in mouth, pharynx, and gastrointestinal tract; heart failure; coma; and death.

## CHRONIC EXPOSURE EFFECTS

May cause irritation of lungs, nose, throat, mouth, and skin.

## MEDICAL CONDITIONS AGGRAVATED

None known.

## PRIMARY ROUTE OF EXPOSURE

Inhalation, ingestion, and dermal.

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SECTION 5. FIRST AID MEASURES  
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## INHALATION

If user experiences breathing difficulty, move to air free of vapors. Administer oxygen or artificial respiration until medical assistance can be rendered.

## SKIN CONTACT

Wash with soap and large quantities of water and seek medical attention if irritation from contact persists.

## EYE CONTACT

Flush with large quantities of water for at least 15 minutes and seek immediate medical attention.

## INGESTION

Do not induce vomiting. Drink large quantities of water. Never give anything by mouth to an unconscious person. Call your poison control center, hospital emergency room, or physician immediately for instructions.

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SECTION 5. FIRST AID MEASURES  
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## NOTE TO PHYSICIAN

This formula is registered with POISINDEX.  
Call your local poison control center for further information.

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SECTION 6. FIRE FIGHTING MEASURES  
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HAZARD RATING SOURCE	HMIS	NFPA
HEALTH	3	3
FLAMMABILITY	0	0
REACTIVITY	1	1
OTHER	H	NA

## FLASH METHOD

N/A

## FLASH POINT

N/E F N/E C N/A

## LOWER EXPLOSION LIMIT

N/E

## GENERAL COMMENTS

OSHA FLAMMABILITY: Not Applicable

## EXTINGUISHING METHOD

Use carbon dioxide, dry powder, or foam.

## FIRE FIGHTING PROCEDURES

Self-contained respiratory protection should be provided for fire fighters fighting fires in buildings or confined areas. Stay away from heads of containers that have been exposed to intense heat or flame.

## FIRE AND EXPLOSION HAZARDS

Keep container tightly closed.

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SECTION 7. ACCIDENTAL RELEASE MEASURES  
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## CLEAN-UP

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Shut off ignition sources; keep flares, smoking or flames out of hazard area. SMALL SPILLS: take up liquid with sand, earth or other noncombustible absorbent material and place in a plastic container where applicable. LARGE SPILLS: dike far ahead of spill for later disposal.

For transportation related spills contact Chemtrec at 1-800-424-9300 for emergency assistance.

## WASTE DISPOSAL

Dispose in accordance with applicable local, state and federal regulations.

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SECTION 8. HANDLING AND STORAGE  
-----**STORAGE**

Never return this solution to the original container. Close container after each use. Avoid storage at extreme high or low temperatures. Protect from freezing.

**HANDLING**

Read carefully all cautions and directions on product label before use. Since empty container retains residue, follow all label warnings even after container is empty. Dispose of empty container according to all regulations. Do not reuse this container.

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SECTION 9. TRANSPORT INFORMATION  
-----**TRANSPORTATION**

For D.O.T. information, contact W.M. Barr Technical Services Department.

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SECTION 10. EXPOSURE CONTROLS/PERSONAL PROTECTION  
-----**VENTILATION PROTECTION**

Use only with adequate ventilation to prevent build-up of vapors. Open all windows and doors. Use only with a cross ventilation of moving fresh air across the work area. If strong odor is noticed or you experience slight dizziness, headache, nausea, or eye-watering - STOP - ventilation is inadequate. Leave area immediately.

**RESPIRATORY PROTECTION**

For OSHA controlled workplace and other regular users - Use only with adequate ventilation under engineered air control systems designed to prevent exceeding appropriate TLV. For occasional use, where engineered air control is not feasible, use properly maintained and properly fitted NIOSH approved respirators. A dust mask does not provide protection against vapors.

**SKIN PROTECTION**

Wear impermeable gloves. Gloves contaminated with product should be discarded. Promptly remove clothing that becomes soiled with product.

**EYE PROTECTION**

Safety glasses, chemical goggles or face shields are recommended to safeguard against potential eye contact, irritation, or injury. Contact lenses should not be worn while working with chemicals.

**OTHER PROTECTION**

Various application methods can dictate use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure. A source of clean water should be available in the work area for flushing eyes and skin. Do not eat, drink, or smoke in the work area. Wash hands thoroughly after use. Before reuse, thoroughly clean any clothing or protective equipment that has been contaminated by prior use. Discard any clothing or other protective equipment that cannot be decontaminated, such as gloves or shoes.

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SECTION 11. PHYSICAL AND CHEMICAL PROPERTIES  
-----**VOLATILE %**

91.900  
by weight

**BOILING POINT**

GT 210.00 F 98.88 C BOILING RANGE: 210 F - 293 F

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SECTION 11. PHYSICAL AND CHEMICAL PROPERTIES  
(CONTINUED)  
-----VAPOR DENSITY (Air = 1.0)  
Heavier than airEVAPORATION RATE  
Slower than etherBULK DENSITY  
8.963  
lbs/gal at 75 FpH FACTOR  
N/EPHOTOCHEMICALLY REACTIVE  
NOMAX V.O.C.  
0 grams per liter (excluding exempt solvents & water)MAX VAPOR PRESSURE  
(of the V.O.C.) 0mm Hg at 20 degrees C-----  
SECTION 12. STABILITY AND REACTIVITY  
-----INCOMPATIBILITIES  
Incompatible with acids, acid esters, flammable liquids, organic  
halogens, chlorinated solvents, aluminum, tin, and zinc.DECOMPOSITION  
Contact with certain metals may produce hydrogen gas.POLYMERIZATION  
Will not occur.STABILITY  
Stable.-----  
SECTION 13. ADDITIONAL INFORMATION  
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IMPORTANT NOTE  
The information contained herein is presented in good faith and  
believed to be accurate as of the effective date shown above. This  
information is furnished without warranty of any kind. Employers  
should use this information only as a supplement to other  
information gathered by them and must make independent determination  
of suitability and completeness of information from all sources to  
assure proper use of these materials and the safety and health of  
employees. Any use of this data and information must be determined  
by the user to be in accordance with applicable federal, state and  
local laws and regulations.

LEGEND:  
PPM = parts per million  
MG/M3 = milligrams per cubic meter  
N/E or NE = none established  
GT = greater than  
N/A or NA = not applicable  
TCC = tag closed cup  
TOC = tag open cup  
PMCC = Pensky-Martens closed cup  
IDLH = Immediately Dangerous to Life and Health

KLEAN-STRIP GILLESPIE KWIK DUFFY'S EL PICO P&D

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\*\*\*END OF MSDS\*\*\*